#### CAPITAL IMPROVEMENT Infrastructure (water/sewer/landfill) Last updated: May 8, 2019 89,737,529.00 \$ 5,413,362.00 TOTAL \$89,507,029.00 | \$ 52,000.00 178,500.00 \$ 543,000.00 \$ 447,000.00 | \$ 4,423,362.00 | \$ 101 Funds B - Bldg HVAC heating / C - Building NOTE M & I BIA HUD IHS Description Infrastructure cooling) Improvement Other Grant Final costs dependent on water treatment process selected. Will need to **WS Water Treatment Plant** budget for increased M&I costs. Facility replacement, construction to start 2022 \$ 41,000,000.00 85,000.00 Finish water pump Raw water pump #2 \$ 10,000.00 Items funded by BIA Jan. 18. Currently in the process of spending funds on SCADA \$ 148,000.00 outlined repairs. **HVAC** controls \$ 42,000.00 Media filter \$ 58,000.00 30,000.00 Filter bed depth & condition needs \$ Water wet well transfer pumps need replacement, electrical system upgrades \$ 90,000.00 Purchase 2 finish water pumps plus installation, repair finish water pump #2 90,000.00 Water filter media replacement, achive proper depth for optimal efficiency \$ 29,000.00 Items fundeed by HUD Immiment Threat Grant. Currently in the process of 30,000.00 Carbon dust enclosure replacement \$ spending funds on outlined repairs. Stainless steel water intake screen 48,000.00 replacement \$ Two backwash settling ponds relined \$ 60,000.00 Combined sewage/sampling drains overloading system.Fix. \$ 50,000.00 Administration (general mgmt, indirect 20,000.00 costs, audit) \$ Kah-nee-ta Water 3,500.00 Controls & target \$ Water main repair \$ 5,000.00 Telementry system 75,000.00 HeHe Longhouse Water line extension 250,000.00 Replace septic tank & evaluate drainfield \$ 8,500.00 **WS Wastewater Treatment Plant** \$ 50,000.00 T - 32 / Storage Building T - 33 / Lab & Head works \$ 175,000.00 Heating Supply \$ 6,500.00

### CAPITAL IMPROVEMENT Infrastructure (water/sewer/landfill) Last updated: May 8, 2019 89,737,529.00 \$ 5,413,362.00 TOTAL \$89,507,029.00 | \$ 52,000.00 178,500.00 \$ 543,000.00 \$ 447,000.00 | \$ 4,423,362.00 | \$ 101 Funds B - Bldg HVAC Αheating / C - Building HUD Other Grant NOTE Description Infrastructure cooling) Improvement M & I BIA IHS \$ 5,000.00 Cooling Emergency generator \$ 12,000.00 Diesel tank (200g) 75,000.00 Auger monster grinder Secondary treatment - upgrade the aeration controls and replace equipment Biosolids drying basin - rehab basin 2018 WS Wastewater Treatment Plant Rehabilitation, Lt. Derek Hancey. UV disinfection - upgrade UV equipment Modification to improve treatment performance and relability. and controls SCADA - install new system Headworks - replace grit collection system and controls secondary clarification - replace broken sludge rake, inspect and service RAS 2018 WS Wastewater Treatment Plant Rehabilitation, Lt. Derek Hancey. \$ 335,000.00 \$ 2,246,000.00 Replace failed equipment Aerobics solids digester - replace inoperable blowers and septage intake grinder pump Startup, commissioning, and operator training Contingency TERO % 2018 WS Wastewater Treatment Plant Rehabilitation, Lt. Derek Hancey. Speciality engineering design services Additional costs Project technical support (approximately 10% of construction) Simnasho/Schoolie Comm. Water System Transmission & storage from new well at \$ 2,515,000.00 2013 Water Treatment Capital Improvement Program НеНе T - 34 / Beaver Creek pumphouse T - 35 / Schoolie booster pumphouse Entry Road - gravel \$ 20,000.00 Gould-Century pump \$ 10,000.00 Heating Supply \$ 6,000.00 Telemetry upgrade \$ 7,000.00 Electrical upgrade \$ 10,000.00 1,500.00 Propane tank 250g

T - 36 / Simnasho pumphouse

## CAPITAL IMPROVEMENT

Infrastructure (water/sewer/landfill)

Last updated: May 8, 2019

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		89,737,529.00	•				F 440 000 00	
TOTAL 200 507 200 0				£ 542,000,00	£ 447.000.00	t 4400 000 00	5,413,362.00	
TOTAL \$ 89,507,029.0		\$ 178,500.00	<b>5</b> -	\$ 543,000.00	\$ 447,000.00	\$ 4,423,362.00	3 -	
	101 Funds							
A-	B - Bldg HVAC heating /	C - Building						
Description Infrastructure		Improvement	M&I	BIA	HUD	IHS	Other Grant NO	TE
Telemetry upgrade \$ 5,000.0	)							
Prepare OM manual for system \$ 16,000.0	)						201	3 Water Treatment Capital Improvement Program
Sidwalter Comm. Water System								
T - 37 / Sidwalter pumphouse #1								
Heating- propane	\$ 6,000.00	l					Nev	w heater & propane line needed
Cooling	\$ 5,000.00	ı					Rep	pair/replacement needed to protect well operation
Entry Road - gravel		\$ 20,000.00					All	weather surface needed to insure operator access
T - 38 / Sidwalter pumphouse #2								
Heating supply	\$ 5,000.00	l					Rep	pair/replacement to keep water lines from freezing
Cooling	\$ 3,500.00	ı					Rep	pair/replacement needed to protect well operation
Phase converter	15,000.0	0					Cur	rrent Phase converter is antiqueated and is 25 years old
Prepare OM manual for system \$ 16,000.0	)				~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~		201	I3 Water Treatment Capital Improvement Program
Simnasho Lagoon System								
Embankment/dike rehab \$ 50,000.0	0						Cle	ar vegetation and replace dikes
Capacity expansion \$ 500,000.0	0						Ado	dition of new cell
Prepare OM manual for system \$ 32,000.0	ס						201	13 Water Treatment Capital Improvement Program
					······			
Kah-nee-ta Lagoon Systems								
Engineering evaluation to assess options								
of upgrading lagoon or replacing with new WWTP \$ 21,000.0	2						204	12 Makey Translation & Consider Hammer constant Dungstrans
new WWTP \$ 21,000.0  Assistance with NPDES permit renewal -	J						201	3 Water Treatment Capital Improvement Program
lobby for reduced effluent limitations from								
lagoon discharge \$ 10,000.0	כ						201	3 Water Treatment Capital Improvement Program
Improvements at KNT lagoon awaiting								
new WWTP: aerator, chlorine contact, influent pipeline \$ 101,400.0	n						201	I3 Water Treatment Capital Improvement Program
New outfall diffuder \$ 234,000.0							adjanamanani, mada mada mada mada mada mada mada mad	3 Water Treatment Capital Improvement Program
New WWTP to replace KNT lagoon,	-						201	
80,000 GPD \$ 2,380,560.0	)						201	3 Water Treatment Capital Improvement Program
Prepare updated OM manual for KNT \$ 24,000.0	)							
Embankment/dike rehab \$ 150,000.0	)						Cle	ar vegetation and replace dikes
Electrical upgrades \$ 20,000.0	)							
Sunnyside Lagoon Systems								

#### CAPITAL IMPROVEMENT Infrastructure (water/sewer/landfill) Last updated: May 8, 2019 89,737,529.00 | \$ 5,413,362.00 TOTAL \$ 89,507,029.00 | \$ 52,000.00 178,500.00 447,000.00 | \$ 4,423,362.00 | \$ 543,000.00 \$ 101 Funds B - Blda HVAC heating / C - Building NOTE M & I BIA HUD IHS Other Grant Description Infrastructure cooling) Improvement IHS Project PO-17-M37, \$1,063,181, \$978,126 IHS Regular Funds and \$86,055 IHS Housing Support Funds. Project will provide a new 2-acre lagoon cell, relining of the existing western cell, conversion of the eastern cell to an evaporation and controlled percolation cell, installation of sewer main and required appurtenances, and improvements to the existing access road to \$ 2,127,362.00 Relining of lagoons allow for year-round ste access. ON SCHEDULE FOR START IN 2020 Prepare updated OM manual 10,000.00 2013 Water Treatment Capital Improvement Program Water Storage Tanks Telemetry system for all water tanks x 12 \$ 175,000.00 Telemetry Project 00.000,8 Tewee tank (1.5 Mg) Internal tank inspection & cleaning to comply with EPA requirements West Hills x 2 (1.5 Mg) 8.000.00 \$ Internal tank inspection & cleaning to comply with EPA requirements 10,000.00 South East (2.0 Mg) Internal tank inspection & cleaning to comply with EPA requirements 8,000.00 Greeley Heights x 2 (1.0 Mg) \$ Internal tank inspection & cleaning to comply with EPA requirements Sidwalter (200 Kg) \$ 3,000.00 Internal tank inspection & cleaning to comply with EPA requirements Island / Simnasho (94 Kg) Needs target, telemetry system Internal tank inspection & cleaning to comply with EPA requirements. Housing 4,000.00 Simnasho (100 Kg) expansion in Simnasho would require additional storage capacity. Schoolie (100 Kg) 4,000.00 Internal tank inspection & cleaning to comply with EPA requirements Kah-nee-ta x 2 (1.0 Mg) 150,000.00 Internal tank inspection & cleaning to comply with EPA requirements Seekseequa (15 Kg) 3,000.00 Internal tank inspection & cleaning to comply with EPA requirements Distribution & Miscellaneous IHS Project PO-17-M42, \$50,000, EPA/SWDA funds; preliminary engineering report will help support concurring preliminary engineering projects for evaluating alternatives to modernize or replace the Dry Creek Water Treatment Plan by providing a basis for accurate estimation of community Water Leak study 50,000.00 water demand. This project would install water meters on 1,298 service connections in the primary community of Warm Springs. Installation of water meters is also a key component for the Tribe to implement so that it to be prepared for the development of a new water treatment plant currently planned to start Water Meter Project \$ 2,500,000.00 construction in 2022. Installation of redundant main line -Shitike Creek \$ 2,500,000.00 Motor/pump replacement - Schoolie Replace and install (2) 30 HP pumps and motors, replumb pipes and add Pump House 50.000.00 updated controls 375,000.00 Water vault - George Street (Agency) Vault replacement Water vault - South East (Agency) 375,000.00 Vault replacement Water vault - Catholic Church (Agency) \$ 375,000.00 Vault replacement

### CAPITAL IMPROVEMENT Infrastructure (water/sewer/landfill) Last updated: May 8, 2019 89,737,529.00 \$ 5,413,362.00 TOTAL \$89,507,029.00 | \$ 52,000.00 \$ 178,500.00 \$ 543,000.00 \$ 447,000.00 | \$ 4,423,362.00 | \$ 101 Funds B - Bldg HVAC heating / C - Building HUD NOTE Description M & I BIA IHS Other Grant Infrastructure cooling) Improvement Water vault - West Hills (Agency) \$ 375,000.00 Vault replacement Water vault - Kah-nee-tah x 5 18,000.00 Kah-nee-ta Road Improvements Tenino Valley booster pump \$ 100,000.00 Tenino Valley storage tank 250,000.00 Wolfe Point booster pump 125,000.00 Wolfe Point storage tank 250,000.00 Fire Hydrants (271) 100,000.00 2,500.00 ea. x 271=677,500 for total replacement. 50,000.00 Ice pigging line/sewer WS Industrial Park Removal of 15 septic tank systems \$ 1,419,144.00 Installation of sewer main line EDA grant to be submitted 2019 45,000.00 Remove wood staved pipe near Miller Heights, currently leaking. Sewer line replacement SIIP (2014): Expansion of one of the electric substations in WS to \$ 900,000.00 accomodate major new development. Elecric power expansion WS Downtown Campus PENDING ACTION FROM BIA: Bureau of Indian Affairs - Engineering & Consulting Services of the Warm Springs Agency Campus water and wastewater system. First phase involves examining, analyzing, and assessing costs to remove and replace the water and sewer infrastructure on the Campus Area. Phase 2 involves the creation of construction documents, specifications and an estimate of sufficient detail to allow the government to successfully put the project out to bid and award a construction contract. When construction funds are available, Construction Administration will be performed in Phase 3 (Construction Administration is not a part of this \$ 200,000.00 Design/engineering Scope). Proposed development in this area would require removal and replacement of the existing sewer mains and services and water mains and services, requiring approximately 8,600 lineal feet of new 8-inch sewer main, 30 sewer service connections, 12,700 lineal feet of 8-inch water main, and 30 water Removal/replacement water/sewer mains \$ 3,780,500.00 connections. WS Landfill Decommision/Clean up \$ 26,000,000.00 Transfer & final disposal process, estimated cost. Waste oil burner \$ 17,425.00 Used to dispose of oil, can generate revenue

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